

PUBLICATIONS

The following pages list all papers published in the 2006 calendar year as reported to the NSLS by February 28, 2007. Citations are listed in order of beamline number and then alphabetically by the last name of the first author. This list contains reported citations for journal articles, published conference proceedings, books, chapters in books, formal reports, informal reports, technical reports, theses, dissertations, and patents. For citation submissions where research was performed on more than one beamline, the citation is listed under each beamline. However, each citation was only counted once.

The first column in the table lists the number of publications reported to the NSLS during the 2006 fiscal year (Oct. 1, 2005 – Sept. 30, 2006) and published between 2003 and 2006. Although some of these publications were published earlier than FY 2006, they were not reported to the NSLS until this fiscal year. Thus, they have not been counted in prior years' activity reports.

The second column in the table lists the number of publications published in the 2006 calendar year and reported to the NSLS as of February 28, 2007. These numbers are slightly lower than the fiscal year values because they contain only publications from 2006 and it often takes many months or years to account for user and staff publications.

Several types of journal articles are reported in this list, including premier journals, peer-reviewed journals, and a few that are not peer-reviewed. A publication is considered premier if the journal has an impact factor of 6 or greater (from Journal Citation Report 2003, Thomson Institute for Scientific Information). These journals represent approximately the top 3% of all journals.

For calendar years 2003-2006, the NSLS users and staff published in 40 premier journals. These premier journals are: Accounts of Chemical Research, Advanced Materials, Angewandte Chemie, Annual Review of Biophysics and Biomolecular Structure, Annual Review of Genomics and Human Genetics, Applied Physics Letters, Cancer Cell, Cell, Chemical Reviews, Chemistry and Biology, Current Biology, Current Opinion in Chemical Biology, Current Opinion in Structural Biology, EMBO Journal, Faseb Journal, Genes and Development, Genome Research, Human Molecular Genetics, Immunity, Journal of Biological Chemistry, Journal of Experimental Medicine, Journal of Immunology, Journal of Neuroscience, Journal of the American Chemical Society, Molecular and Cellular Biology, Molecular and Cellular Proteomics, Molecular Cell, Nano Letters, Nature, Nature Immunology, Nature Materials, Nature Structural & Molecular Biology, Neuron, Nucleic Acids Research, Physical Review Letters, PNAS, Reports on Progress in Physics, Science, Structure, Trends in Biochemical Sciences, and Trends in Neurosciences. Two additional journals are included in the premier list, Applied Physics Letters (impact factor 4.0) and Environmental Sciences and Technology (impact factor 3.6), because these journals represent the "best in class" for the NSLS industrial and environmental science users, even though their impact factors are less than 6.

In FY 2006, NSLS users and staff had 921 publications – a record high for the facility. Moreover, 228 papers were published in premier journals, representing 25% of the total publications from the facility, and demonstrating the high impact of NSLS science.

	Reported in Fiscal Year 2006*	Published in Calendar Year 2006**
Journals, peer-reviewed, premier	228	199
Journals, other peer-reviewed	532	489
Journals, non peer-reviewed	33	28
Total Journals and Magazines	793	716
Books/Chapters in Books	4	4
Published Conference Proceedings	79	40
Reports: Technical, Formal, Informal	1	0
Theses/Dissertations	33	25
Patents	11	1
Total Misc. Publications	128	70
Total Publications	921	786
 NSLS VUV User Publications	 87	 67
NSLS X-Ray User Publications	734	627
NSLS Staff Publications	100	92
 921	 786	

* Publications reported to the NSLS from Oct 1, 2005 – Sept. 30, 2006 and published between 2003 – 2006.

** Publications published in 2006 as reported to the NSLS by Feb. 28, 2007.

NSLS USERS

Beamline U1A

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- J Cieza, T Jenkins, Z Liu, R Hemley, High Pressure Vibrational Spectroscopy of Energetic Materials: Hexahydro-1,3,5-trinitro-1,3,5-triazine, *J. Phys. Chem. A*, **59-63**, 5 (2006).
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- K Jones, H Feng, E Stern, U Neuhausler, J Osan, N Marinkovic, Z Song, Properties of New York/New Jersey Harbor Sediments, *Acta Phys. Pol. A*, **109** (3), 279-286 (2006).
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P Yu, An Emerging Method for Rapid Characterization of Feed Structures and Feed Component Matrix at a Cellular Level and Relation to Feed Quality and Nutritive Value, *Arch. Anim. Nutr.*, **60**, 229-244 (2006).

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- G Rochau, J Bailey, G Chandler, T Nash, D Nielsen, G Dunham, O Garcia, N Joseph, J Keister, et al., Energy Dependent Sensitivity of Microchannel Plate Detectors, *Rev. Sci. Instrum.*, **77**, 10E323 (2006).
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- T Ellis, K Park, M Ulrich, S Hulbert, J Rowe, Interaction of Metallophthalocyanines (Mpc, M=Co, Ni) on Au(001): Ultraviolet Photoemission Spectroscopy and Low Energy Electron Diffraction Study, *J. Appl. Phys.*, **100**, 093515-10 (2006).
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Beamline U4B

- D Hill, D Arena, R Bartynski, P Wu, G Saraf, Y Lu, I Wielunski, R Gateau, J Dvorak, et al., Room Temperature Ferromagnetism in MN Ion Implanted Epitaxial ZnO Films, *Phys. Status Solidi (a)*, **203** (15), 3836-3843 (2006).
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- K Neupane, J Shearer, Influence of Amide/Amine vs Nis-Amide Coordination in Nickel Superoxide Dismutase, *Inorg. Chem.*, **45**, 10552-10566 (2006).
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- I Baek, W Kim, E Vescovo, H Lee, Effect of Ni Concentration on Quantum-well States of the Alloy System Ag/Fe1-xNix: A Spin- and angle-Resolved Photoemission Study, *Phys. Rev. B*, **74**, 113302 (2006).
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- Beamline U9B**
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Beamline U11

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Beamline X1A1

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